

Internet Energy Systems, Inc.

Real Time. Real Energy. Real Savings.



Internet Energy Systems

About Us:

Internet Energy Systems builds network based command, control, communication and information management systems for the energy and water industries.

“E-C³I”

Paradigm Shift Elements

- **Automating meter reading**
- **Automating customer service**
- **Demand Management**
- **Aggregation (purchasing power)**
- **Deregulation (risk)**
- **Internet technology (info-utility)**

The New AMR Value Proposition

- **Automation of the meter reading task**
 - **Real time for C&I, periodic for residential**
- **Consolidation of gas, water, and electric**
- **True Two Way Communication**
- **Load Profiling and Analysis**
- **Alarms and Alerts**

The New AMR Value Proposition

- **Enterprise level demand management**
 - Automated or command driven
 - Interface to building controls
- **Enterprise level supply management**
 - Networking distributed generation assets
 - Mapped to cost drivers or to capacity constraints

The New AMR Value Proposition

- **Real time pricing**
 - Requires real time data
 - Requires load management
- **Bill generation**
- **Outage management**

An E-C3I Offering Must Have:

- **Intelligent Gateway at the Meter Site**
 - Multi-meter read
 - Multi-device control
- **Multiple Transmission Paths**
 - Internet Protocol
 - Cable TV
 - Radio
 - Other options: phone, satellite, power line

An E-C3I Offering Must Have:

- **Multiple Quality of Service Levels**
 - One way vs two way
 - Real time vs periodic
 - Controlled vs uncontrolled
- **Secure Command Center Front End**
 - Login security
 - Encryption

An E-C3I Offering Must Have:

- **Automated Alarms**
 - Outage
 - Quality
 - Leaks
- **Reports, Controls**
 - Service Control
 - Aggregates, sub-aggregates
- **Investigation and Analysis Tools**
- **On-site or Hosted servers**
- **Internet-centric UI**

The ROI for Consumers?

- **Peak Demand Management**
- **Ability to monitor and tune facility AND enterprise energy programs**
- **Water and Gas monitoring**
- **Submetering for individual tenants**
- **Aggregation**
- **Bill Verification Tools**
- **True CIS Capability**

The ROI for Energy Suppliers?

- **Peak Management**
- **Aggregation**
- **Administration**
- **Alarms/alerts**
- **Real Time Pricing**
- **Bill generation/payment options**
- **Distributed Generation Management**

What to Expect:

- **Total Asset Visibility of Meter Activity from any site at any time**
- **Total Asset Control from any web browser to any device in the enterprise at any time**

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